

#### § 4.77

Loss	Degrees
Down nasally .....	30
Nasally .....	40
Up nasally .....	35
Up .....	25
Up temporally .....	35
Total loss .....	320

Remaining field  $500^{\circ}$  minus  $320^{\circ} = 180^{\circ}$ .  $180^{\circ} \div 8 = 22\frac{1}{2}^{\circ}$  average concentric contraction.

(Authority: 38 U.S.C. 1155)

[43 FR 45352, Oct. 2, 1978, as amended at 73 FR 66549, Nov. 10, 2008]

#### § 4.77 Visual fields.

(a) *Examination of visual fields.* Examiners must use either Goldmann kinetic perimetry or automated perimetry using Humphrey Model 750, Octopus Model 101, or later versions of these perimetric devices with simulated kinetic Goldmann testing capability. For phakic (normal) individuals, as well as for pseudophakic or aphakic individuals who are well adapted to intraocular lens implant or contact lens correction, visual field examinations must be conducted using a standard target size and luminance, which is Goldmann's equivalent III/4e. For aphakic individuals not well adapted to contact lens correction or pseudophakic individuals not well adapted to intraocular lens implant, visual field examinations must be conducted using Goldmann's equivalent

#### 38 CFR Ch. I (7–1–19 Edition)

IV/4e. The examiner must document the results for at least 16 meridians  $22\frac{1}{2}$  degrees apart for each eye and indicate the Goldmann equivalent used. See Table III for the normal extent (in degrees) of the visual fields at the 8 principal meridians (45 degrees apart). When the examiner indicates that additional testing is necessary to evaluate visual fields, the additional testing must be conducted using either a tangent screen or a 30-degree threshold visual field with the Goldmann III stimulus size. The examination report must document the results of either the tangent screen or of the 30-degree threshold visual field with the Goldmann III stimulus size.

(b) *Evaluation of visual fields.* Determine the average concentric contraction of the visual field of each eye by measuring the remaining visual field (in degrees) at each of eight principal meridians 45 degrees apart, adding them, and dividing the sum by eight.

(c) *Combination of visual field defect and decreased visual acuity.* To determine the evaluation for visual impairment when both decreased visual acuity and visual field defect are present in one or both eyes and are service connected, separately evaluate the visual acuity and visual field defect (expressed as a level of visual acuity), and combine them under the provisions of § 4.25.

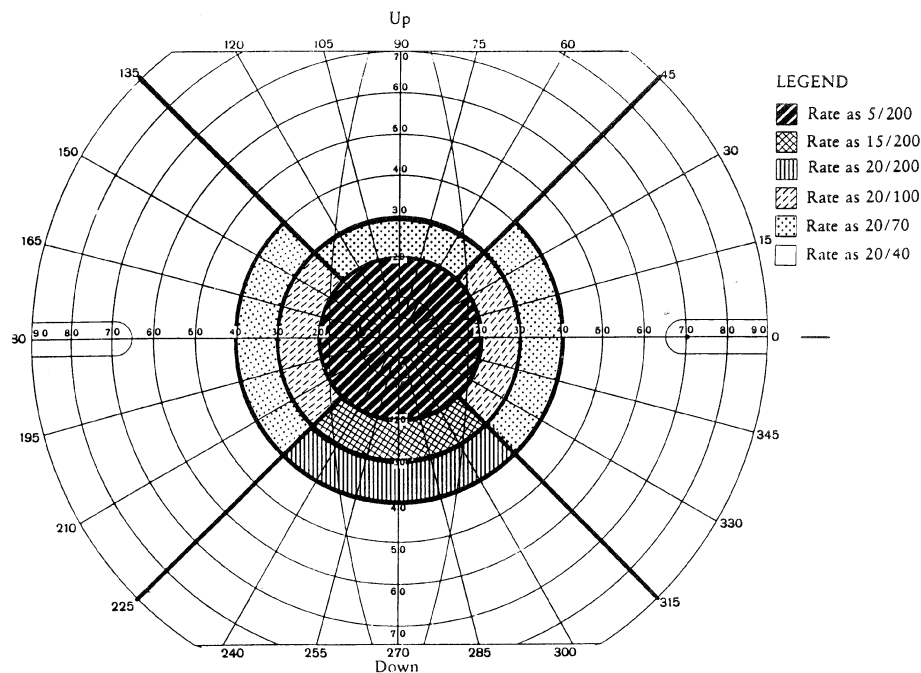


Figure 2. Goldmann Perimeter Chart

52c

(Authority: 38 U.S.C. 1155)

[53 FR 30262, Aug. 11, 1988, as amended at 73 FR 66549, Nov. 10, 2008; 74 FR 7648, Feb. 19, 2009; 83 FR 15320, Apr. 10, 2018]

**§ 4.78 Muscle function.**

(a) *Examination of muscle function.* The examiner must use a Goldmann perimeter chart or the Tangent Screen method that identifies the four major quadrants (upward, downward, left, and right lateral) and the central field (20 degrees or less) (see Figure 2). The examiner must document the results of muscle function testing by identifying the quadrant(s) and range(s) of degrees in which diplopia exists.

(b) *Evaluation of muscle function.* (1) An evaluation for diplopia will be assigned to only one eye. When a claimant has both diplopia and decreased

visual acuity or visual field defect, assign a level of corrected visual acuity for the poorer eye (or the affected eye, if disability of only one eye is service-connected) that is: one step poorer than it would otherwise warrant if the evaluation for diplopia under diagnostic code 6090 is 20/70 or 20/100; two steps poorer if the evaluation under diagnostic code 6090 is 20/200 or 15/200; or three steps poorer if the evaluation under diagnostic code 6090 is 5/200. This adjusted level of corrected visual acuity, however, must not exceed a level of 5/200. Use the adjusted visual acuity for the poorer eye (or the affected eye, if